



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
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WASHINGTON, DC 20350-3000

IN REPLY REFER TO:
MCO 4000.51B
LPD-3

AUG 26 2007

MARINE CORPS ORDER 4000.51B

From: Commandant of the Marine Corps
To: Distribution List

Subj: AUTOMATIC IDENTIFICATION TECHNOLOGY (AIT)

- Ref: (a) USD (AT&L) Memo, "Radio Frequency Identification (RFID) Policy," July 30, 2004 (NOTAL)
- (b) Defense Transportation Regulation (DTR) 4500.9, Part II, "Cargo Movement", November 2004 (NOTAL)
- (c) Defense Transportation Regulation (DTR) 4500.9, Part III, "Mobility", April 2004 (NOTAL)
- (d) Defense Federal Acquisition Regulation Supplement, Part 211.275, "Radio Frequency Identification", February 12, 2007 (NOTAL)
- (e) MIL-STD-129P w/Change 3, "DoD Standard Practice Military Marking for Shipment and Storage," October 29, 2004 (NOTAL)
- (f) USD (AT&L) Memo, Acquisition Policy and Facilitating Vendor Shipments in the DoD Organic Distribution System," July 23, 2003 (NOTAL)
- (g) DoD 4000.25-1-M, "Military Standard Requisitioning and Issue Procedures (MILSTRIP) Manual," April 28, 2004 (NOTAL)
- (h) SECNAVINST 7320.10A (NOTAL)
- (i) USD (AT&L) Memo, "Policy Update for Item Unique Identification of Tangible Personal Property, Including Government Property in the Possession of Contractors," May 12, 2005 (NOTAL)
- (j) Defense Federal Acquisition Regulation Supplement, Part 211.274, "Item Identification and Valuation", June 21, 2005 (NOTAL)
- (k) MIL-STD-130M, "DoD Standard Practice Identification Marking of US Military Property," December 2, 2005 (NOTAL)

1. Situation. The purpose of this Order is to establish and publish an Automatic Identification Technology (AIT) Policy for the Marine Corps. AIT is defined as a suite of technologies (linear barcodes, 2 dimensional (2D) barcodes, magnetic stripes, Integrated Circuit Chips (ICC), Optical Memory Cards (OMC), Radio Frequency Identification (RFID) (active and passive), Voice Recognition, and Contact Memory Buttons (CMBs)) that enables the automatic capture of source data, thereby enhancing the ability to identify, track, and document materiel moving through the distribution chain as well as deploying and redeploying personnel, equipment and cargo. References (a) through (k) requires each Department of Defense (DoD) service component to acquire and/or incorporate (AIT) into its business process.

2. Cancellation. MCO P4000.51A.

3. Mission. This Order provides policy for the management and integration of AIT into Marine Corps business processes, to accurately capture source data.

4. Execution

a. Commander's Intent and Concept of Operations

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(1) Commander's Intent. It is the Commander's intent to provide the proper mix of technologies that allows users to efficiently and effectively capture, aggregate, and transfer data and information, and integrate with logistics Automated Information Systems (AISs), using the appropriate technology for the particular application. Key elements of the intent are:

(a) AIT should facilitate the capture and transfer of data to the appropriate AISs to the maximum extent practical. AIT should minimize the level of human intervention required to collect and transfer data to AISs.

(b) The application and fielding of AIT shall be consistent and compatible throughout all business processes.

(c) AIT decisions shall be tailored to specific user requirements for accurate and timely data capture, process improvement, and enhanced warfighting capability.

(d) While implementing and using new technology, all levels of procurement, supervision, and end users must be mindful of information security, information assurance, and safety.

(e) Incorporate records management requirements into automated information systems development and redesign.

(2) Concept of Operations. The AIT policy provides the framework to establish, manage, and integrate a mixture of automatic identification technology into Marine Corps logistic processes. AIT, when combined with AISs, can provide accurate, timely, and detailed information about assets throughout the logistics chain as well as improve Marine Corps business process and warfighting capability.

(a) Active Radio Frequency Identification

1. Apply tags to containers, pallets (463L), Principal End Items (PEIs), and equipment designated by the Unit Commander during sustainment, unit move, ammunition, prepositioned equipment and retrograde+ shipments going to/from/within CONUS and OCONUS, including redeployment in accordance with references (a), (b), and (c).

2. Apply tags to containers, pallets (463L), PEIs, and all equipment designated by the MARFORs for Maritime Prepositioned Ships in accordance with reference (a).

3. Apply tags to 463L pallets/containers, PEIs and other equipment for commercially contracted shipments at origin going OCONUS in accordance with reference (a).

(b) Passive Radio Frequency Identification

1. Apply tags to cases/pallets in accordance with reference (d) and (e).

2. Future requirements

a. Apply tags to distribution/outbound shipments and forward that information to designated AISs.

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b. Apply tags to commercially procured equipment on cases/pallets destined for Marine Corps installations.

(c) Linear and Two-dimensional (2D) Bar Codes

1. Generate Defense Transportation Regulation (DTR) compliant linear/2D bar codes on DD Form 1387, Military Shipping Label (MSL), for all shipments in accordance with references (b), (c), (e) and (f).

2. Generate compliant linear/2D bar codes on DD Form 1348-1A Issue Release Receipt Documents, in accordance with latest version of reference (e) per reference (g).

3. Generate and affix compliant linear/2D bar code for all personal property recorded in the personal property system in accordance with reference (h).

4. Apply 2D datamatrix bar code to tangible assets in accordance with references (e), (i), (j), and (k) where; (1) the acquisition cost is \$5,000 or more, (2) it is either a serially managed, mission essential or controlled inventory piece of equipment or a reparable item, or a consumable item or material where permanent identification is required, or (3) it is a component of a delivered item, if the program manager has determined that unique identification is required.

(d) Other AIT Technology Integration. Generate applicable AIT requirements in accordance with other Marine Corps policy requirements.

b. Subordinate Element Missions

(1) Deputy Commandant, Installations and Logistics (DC, I&L)

(a) Act as the CMC agent for AIT oversight and policy in accordance with current DoD directives and guidance.

(b) Establish and promulgate Marine Corps wide AIT policy.

(c) Conduct annual review of AIT planning and execution to ensure compliance with this policy.

(d) Receive, review, prioritize, and submit AIT funding requirements to Deputy Commandant, Programs, and Resources (DC, P&R).

(e) Act as the AIT Functional Manager to coordinate review of enabling technologies requirements and modifications.

(f) Coordinate with OSD, Joint Staff, DLA, and the other Services to ensure that Marine Corps AIT initiatives are interoperable.

(2) Deputy Commandant, Programs and Resources (DC, P&R)

(a) Ensure Program Objective Memorandum (POM) approved resources are distributed to efficiently execute AIT activities.

(b) Coordinate with Deputy Commandant, Combat Development, and Integration (DC, CD&I) to ensure AIT funds are programmed to efficiently and economically support Marine Corps Forces.

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(3) Deputy Commandant, Combat Development and Integration (DC, CD&I)

(a) Develop and implement internal command policies and procedures to facilitate the execution of this Order within the Expeditionary Force Development System (EFDS) process.

(b) Identify capabilities from a cross-functional perspective and develop integrated solutions in support of AIT requirements that comply with this Order.

(c) Coordinate with DC, I&L and DC, P&R for the purpose of formulating POM funding requirements in support of AIT activities as part of the Warfighting Investment Program Evaluation Board (WFIPEB) process.

(4) Deputy Commandant, Aviation (DC, AVN). Coordinate with DC, I&L to integrate full use of aviation AIT efforts in logistics operations and ensure compatibility with ground AIT efforts.

(5) Commanding General, Marine Corps Systems Command (CG, MARCORSYSCOM)

(a) Develop and implement internal command policies, plans, and procedures to facilitate the execution of this Order.

(b) Procure AIT equipment based on validated requirements using DoD established AIT and RFID contracts as applicable.

(c) Act as the focal point for all Marine Corps retail AIT procurement and life cycle management activities.

(d) Develop, identify and pursue appropriate funding through POM review for acquisition, operations, integration, sustainment and maintenance of AIT.

(e) Ensure AIT equipment is supported and certified by Marine Corps Enterprise Network Designated Approving Authority (MCEN DAA).

(f) Develop Logistics Support Plans for AIT equipment in accordance with enterprise total life cycle management policies and objectives.

(6) Commanding General, Marine Corps Logistics Command (CG, MARCORLOGCOM)

(a) Develop and implement internal command policies and procedures to facilitate the execution of this Order.

(b) Act as the focal point for all Marine Corps wholesale AIT life cycle management activities.

(c) Integrate AIT capabilities for ground equipment for sustainment level maintenance in the Marine Corps.

(d) Develop/identify and pursue appropriate funding through POM program review for acquisition, operations, integration, sustainment and maintenance of AIT.

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(e) Support AIT incorporation in support of the Maritime Prepositioning Force (MPF) and Marine Corps Prepositioning Program - Norway (MCPN-N) programs via Blount Island Command (BICMD).

(7) Commanders, Marine Corps Forces (COM, MARFORs)

(a) Develop and implement internal command policies and procedures to facilitate operational use of AIT.

(b) Provide to MCSC recommended changes or updates on the programmatic maintenance and logistics support plans for total life cycle of AIT.

(8) Commanders, Supporting Establishment

(a) Develop and implement internal command policies and procedures to facilitate the execution of this Order.

(b) Provide to MCSC recommended changes or updates on the programmatic maintenance and logistics support plans for total life cycle of AIT.

(9) Commander, Training and Education Command (CG, TECOM). Ensure AIT Programs of Instruction (POI) are included in applicable instructions and training under logical functional and non-resident courses.

5. Administration and Logistics

a. Distribution A. Directives issued by the Commandant of the Marine Corps are published electronically and can be assessed on-line via the Marine Corps homepage at: <http://www.usmc.mil/>.

b. For the purpose of inspection, electronic files (i.e., Internet, CD-ROM or other source) shall suffice and need not be printed. For commands without access to the Internet, hard copy and CD-ROM versions of Marine Corps directives can be obtained through the Marine Corps Publications Distribution System.

6. Command and Signal

a. Command. This Order is applicable to the Marine Corps Total Force.

b. Signal. This order is effective the date signed.



R. S. KRAMLICH
Director, Marine Corps Staff

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